ARCHIVES OF SURGERY

EDITORIAL BOARD

DEAN LEWIS, Chief Editor, Baltimore
WALTMAN WALTERS, Chairman, Rochester, Minn.

EVARTS A. GRAHAM, St. Louis
ALTON OCHSNER, New Orleans
ARTHUR W. ALLEN, Boston
ALFRED BLALOCK, Nashville, Tenn.
WALLACE I. TERRY, San Francisco
WILLIAM DARRACH, New York
LESTER R. DRAGSTEDT, Chicago
WALTER E. DANDY, Baltimore

VOLUME 38
1939

PUBLISHERS
AMERICAN MEDICAL ASSOCIATION
CHICAGO, ILL.

Hospital
Gen. Co

S
E
S
S
E
A
E
A
U
M
S
M
E
K
T
S
S
C
E
E
E
S

B.S.

Hospital
Gen. Surg.

CONTENTS OF VOLUME 38

JANUARY 1939. NUMBER 1

PAGE

Surgical Importance of Mammary and Subcutaneous Fat Necrosis. J. E. Dunphy, M.D., Boston 1

Repair of Hernia with Plantaris Tendon Grafts. Robin Pilcher, M.S., London, England 16

Subdural Hematoma: Diagnosis and Treatment. Paul A. Kunkel, M.D., and Walter E. Dandy, M.D., Baltimore 24

Surgical Treatment of Diabetes Mellitus: Bilateral Section of the Splanchnic Nerve and Denervation of the Liver. Piero Ljvraga, Turin, Italy 55

Benign Tumors of the Breast. Tibor de Cholnoky, M.D., New York 79

Anomalous Fixation of the Mesentery: Report of Two Cases. E. L. Keyes, M.D., St. Louis 99

Primary Carcinoma of the Nail. Jacob Levine, M.D., and James R. Lisa, M.D., New York 107

A Plastic Operation on the Breast. Hans May, M.D., Philadelphia 113

Use of the Cutis Graft in Plastic Operations. Alfred Uihlein Jr., M.D., Rochester, Minn. 118

Mesenteric Lymphadenitis: Report of Twenty-Four Cases with Tabulations Showing Relation to Appendicitis and Other Diseases; Need of Better Understanding of the Mesenteric Lymph Nodes. Allyn King Foster Jr., M.D., New York 131

Splenectomy in Treatment of Proved Subacute Bacterial Endocarditis: Report of a Case and Review of the Literature. David Polowe, M.D., Paterson, N. J 139

Mechanical Effect of Artificial Pneumoperitoneum and Phrenic Nerve Block: A Comparative Study. Andrew L. Banyai, M.D., Wauwatosa, Wis 148

Physical and Toxic Factors in Shock. Frederick M. Allen, M.D., New York 155

Krukenberg Tumor. Charles W. Woodall, M.D., Schenectady, N. Y 181

FEBRUARY 1939. NUMBER 2

The Blood in Thromboangiitis Obliterans. Frank V. Theis, M.D., and M. R. Freeland, Ph.D., Chicago 191

Serum Therapy for Streptococcic Infection of the Nose, Throat and Ear and Its Complications. Adele E. Sheplar, M.D.; Martha Jane Spence, M.A., and Ward J. MacNeal, M.D., New York 206

Squamous Cell Carcinoma of the Renal Pelvis. Charles C. Higgins, M.D., Cleveland 224

Growth in Length of the Vertebrae. S. L. Haas, M.D., San Francisco 245

Posterior Dislocation of Lower Femoral Epiphysis in Breech Delivery. Michael S. Burman, M.D., and Maurice J. Langsam, M.D., New York .. 250

Endometriosis. Howard C. Clark, M.D., Wichita, Kan 261

Leiomyosarcoma of the Urinary Bladder. Herman L. Kretschmer, M.D., and Paul Doerhing, M.D., Chicago 274

Spinal Anesthesia: Regulation of Height with Fractional Doses. Joseph L. DeCourcy, M.D., Cincinnati 287

FEBRUARY—*Continued*

PAGE

Fractures of the Upper Extremity and the Shaft of the Humerus. James Harry Heyl, M.D., New York 295

Onlay Bone Graft for Ununited Fractures. Willis C. Campbell, M.D., Memphis, Tenn. 313

Oral Administration of Methylcholanthrene to Mice. John Van Prohaska, M.D.; Alexander Brunschwig, M.D., and Harwell Wilson, M.D., Chicago 328

Avulsion Fracture of the Great Trochanter. Henry Milch, M.D., New York 334

Intestinal Obstruction Due to Gallstones: Report of Ten Cases. J. W. Dulin, M.D., and F. R. Peterson, M.D., Iowa City 351

Consequences of Instrumental Dilation of the Papilla of Vater: An Experimental Study. Charles D. Branch, M.D.; Orville T. Bailey, M.D., and Robert Zollinger, M.D., Boston 358

Review of Urologic Surgery (To Be Concluded). Albert J. Scholl, M.D., Los Angeles; Frank Hinman, M.D., San Francisco; Alexander von Lichtenberg, M.D., Budapest, Hungary; Alexander B. Hepler, M.D., Seattle; Robert Gutierrez, M.D., New York; Gershom J. Thompson, M.D., and James T. Priestley, M.D., Rochester, Minn.; Egon Wildbolz, M.D., Berne, Switzerland, and Vincent J. O'Conor, M.D., Chicago 372

MARCH 1939. NUMBER 3

Congenital Cystic Dilatation of the Bile and Pancreatic Ducts: Necropsy Thirteen Years After Hepaticoduodenostomy. Golder L. McWhorter, M.D., Chicago 397

Clinical Significance of Calorimetric Changes in the Lower Extremity. Benjamin Lipshutz, M.D., and Meyer Naide, M.D., Philadelphia 412

Histologic and Histochemical Structure of the Normal Thyroid Gland. Arthur E. Hertzler, M.D., Halstead, Kan 417

Intracranial Hypertension of Unknown Cause: Cerebral Edema. Adolph L. Sahs, M.D., and Olan R. Hyndman, M.D., Iowa City 428

Swelling of the Brain in Cases of Injury to the Head. Philip Shapiro, M.D., and Harry Jackson, M.D., Chicago 443

Experimental Production of Tumors of the Brain with the Shope Rabbit Papilloma. Barnes Woodhall, M.D.; Robert W. Graves, M.D., and J. W. Beard, M.D., Durham, N. C 457

The Superior Colliculi: Their Function as Estimated from a Case of Tumor. Olan R. Hyndman, M.D., and J. W. Dulin, M.D., Iowa City 471

Hemangioma of Joints: Report of Five Cases. George E. Bennett, M.D., and Milton C. Cobey, M.D., Baltimore 487

Atresia Ani Urethralis: Report of a Case. L. Albert Thunig, M.D., Brooklyn 501

Ethyl Alcohol as a Germicide. Philip B. Price, M.D., Baltimore 528

Parathyroidectomy for Raynaud's Disease and Scleroderma: Late Results. Alice R. Bernheim, M.D., and John H. Garlock, M.D., New York 543

Regional Redistribution of Blood in Experimental Secondary Shock. H. A. Davis, M.D., Memphis, Tenn., and R. J. Jermstad, M.D., St. Joseph, Mo. 556

Review of Urologic Surgery (Concluded). Albert J. Scholl, M.D., Los Angeles; Frank Hinman, M.D., San Francisco; Alexander von Lichtenberg, M.D., Budapest, Hungary; Alexander B. Hepler, M.D., Seattle; Robert Gutierrez, M.D., New York; Gershom J. Thompson, M.D., and James T. Priestley, M.D., Rochester, Minn.; Egon Wildbolz, M.D., Berne, Switzerland, and Vincent J. O'Conor, M.D., Chicago 581

APRIL 1939. NUMBER 4

PAGE

Cause of Death Resulting from Massive Infusions of Isotonic Solutions: An Experimental Study. R. A. Cutting, M.D., Ph.D.; P. S. Larson, Ph.D., and A. M. Lands, Ph.D., Washington, D. C. 599

Operative Treatment for Benign Rectal Stricture (Lymphogranuloma Venereum): Preliminary Report. Harry J. Warthen, M.D., Richmond, Va. 617

Occurrence, Distribution and Pathogenesis of So-Called Liver Death and/or the Hepatorenal Syndrome. Abraham O. Wilensky, M.D., New York 625

Effects of Hemorrhage and of Transfusion on the Blood Flow in an Extremity. Norman W. Roome, M.D., London, Ontario, Canada 692

Total Pneumonectomy. Moses Behrend, M.D., and Albert Behrend, M.D., Philadelphia 698

Retroperitoneal Lymph Nodes: Their Importance in Cases of Malignant Tumors. Arthur U. Desjardins, M.D., Rochester, Minn 714

Acute Segmental Appendicitis: Experimental and Clinical Studies. Joseph Felsen, M.D., and Benjamin Lewis, M.D., New York 755

Incarcerated Meckel's Diverticulum in Femoral Hernia. E. Lee Strohl, M.D., and Selim W. McArthur, M.D., Chicago 783

Role of the Respiratory Tract in Contamination of Air: A Comparative Study. Deryl Hart, M.D., and Herman M. Schiebel, M.D., Durham, N. C. 788

MAY 1939. NUMBER 5

Effect on Wound Healing of Bactericidal Ultraviolet Radiation from a Special Unit: Experimental Study. Deryl Hart, M.D., Durham, N. C., and Paul W. Sanger, M.D., Charlotte, N. C. 797

Bactericidal and Fungicidal Effect of Ultraviolet Radiation: Use of a Special Unit for Sterilizing the Air in the Operating Room. Deryl Hart, M.D.; John W. Devine, M.D., and D. W. Martin, M.D., Durham, N. C. 806

Tumor of the Brain as a Cause of Disorders of the Autonomic Nervous System. A. Lurje, M.D., Moscow, U. S. S. R. 816

Fractures of the Pelvis: Analysis of Seventy-Nine Cases. Jesse J. Greene, M.D., and David H. Smith, M.D., New York 830

Fatal Pulmonary Embolism. B. Carl Russum, M.D., Omaha, and F. J. Kemp, M.D., Plymouth, Mich 853

Ectopic Pregnancy, a Diagnostic Problem in Gynecology: Report of a Case. Phineas Bernstein, M.D., New York 864

Intestinal Obstruction in Man: Alterations in the Serum Bases and Their Significance. Murray A. Falconer, F.R.C.S.; Arnold E. Osterberg, Ph.D., and J. Arnold Bargen, M.D., Rochester, Minn 869

Effects on Kidney and Blood Pressure of Artificial Communication Between Renal Artery and Vein. Earl P. Lasher Jr., M.D., and Frank Glenn, M.D., New York 886

Regeneration of Nerves After Anastomosis of Small Proximal to Larger Peripheral Nerves: An Experimental Study Concerned with Relief of Peripheral Neurogenic Paresis. Robert B. Aird, M.D., and Howard C. Naffziger, M.D., San Francisco 906

Fibrocystic Disease of the Breast. B. A. Goodman, M.D., New York 917

MAY—*Continued*

PAGE

Rate of Fibroplasia and Differentiation in the Healing of Cutaneous Wounds in Different Species of Animals. Edward L. Howes, M.D., Washington, D. C., and Samuel C. Harvey, M.D., and Cornelia Hewitt, B.A., New Haven, Conn. 934

Injuries of the Ligaments of the Knee Joint: An Experimental Study. M. Thomas Horwitz, M.D., Philadelphia 946

Results of Treatment of Chronic Indolent Wounds with Azochloramid. Edward T. Newell Jr., M.D., Baltimore 955

Sixty-Eighth Report of Progress in Orthopedic Surgery (To Be Concluded). John G. Kuhns, M.D.; Sumner M. Roberts, M.D.; William A. Elliston, M.D., F.R.C.S.; Frederic W. Ilfeld, M.D., and George G. Bailey, M.D., Boston; Joseph A. Freiberg, M.D., Cincinnati, and Joseph E. Milgram, M.D., New York 964

JUNE 1939. NUMBER 6

Diaphragmatic Hernia in Infants: Report of Two Cases. Edwin M. Miller, M.D.; Arthur H. Parmelee, M.D., and Heyworth N. Sanford, M.D., Chicago 979

Lesions of the Supraspinatus Tendon and Associated Structures: Investigation of Comparable Lesions in the Hip Joint. M. Thomas Horwitz, M.D., Philadelphia 990

Resection of the Carcinomatous Rectosigmoid Juncture, with Reestablishment of Intestinal Continuity: Preliminary Report. Hubert R. Arnold, M.D., San Francisco 1004

Carcinoma of the Lip: Clinical and Pathologic Study of Three Hundred and Ninety Cases, with Report of Five Year Cures. Edward T. Newell Jr., M.D., Baltimore 1014

Epulis: A Series of Cases. Bert G. Anderson, D.D.S., New Haven, Conn. 1030

Possibility of Differential Section of the Spinothalamic Tract: A Clinical and Histologic Study. Olan R. Hyndman, M.D., and Clarence Van Epps, M.D., Iowa City 1036

Functional Capacity of the Undescended Testis. Charles E. Rea, M.D., Minneapolis 1054

Routes of Absorption in Total Ureteral Obstruction. Duncan M. Morison, M.D., F.R.C.S. (Edinburgh), Edinburgh, Scotland 1108

Effect of Experimentally Formed Tumors on the Musculoskeletal System of the Rat. Charles J. Sutro, M.D., and Leo Pomerantz, B.S., New York 1132

Sixty-Eighth Report of Progress in Orthopedic Surgery (Concluded). John G. Kuhns, M.D.; Sumner M. Roberts, M.D.; William A. Elliston, M.D., F.R.C.S.; Frederic W. Ilfeld, M.D., and George G. Bailey, M.D., Boston; Joseph A. Freiberg, M.D., Cincinnati, and Joseph E. Milgram, M.D., New York 1150

General Index 1161